Author Index of Volume 49

Abe, T., 315
Achard, P., 271
Achenbach, E., 333
Amphlett, J.C., 349
Appleby, A.J., 15

Bagger, C., 291
Baumert, R.M., 349
Bergman, M.K., 193
Bröckerhoff, P., 299

Carewska, M., 227
Chun, H.S., 245
Collins, R.D., 129

de Haart, L.G.J., 257
Di Bartolomeo, A., 227
Divisek, J., 257

George, R., 209
Giorgi, L., 227

Hashimoto, N., 103
He, W., 283
Höhlein, B., 299
Holtappels, P., 257

Itoh, H., 315

Jansen, D., 151

Kim, K., 245
Knudsen, P., 291
Kraus, P., 53
Krumpelt, M., 37
Kumar, R., 37

Lee, J.K., 245
Lennartz, T., 257
Leonard, J.H., 209
Lim, J.H., 245
Lloyd, A.C., 209

Malléner, W., 257
Mann, R.F., 349
Menzer, R., 299
Metkemeijer, R., 271
Mogensen, M., 291
Moon, K.H., 245
Mori, M., 315
Mori, N., 315
Myles, K.M., 37

Nymoen, H., 63

Oakley, M.J., 129
Oudhuis, A.B.J., 151

Park, G.P., 245
Patil, P., 169
Patriarca, M., 227

Peppley, B.A., 349
Prater, K., 117

Ribberink, J.S., 151
Roberge, P.R., 349
Rodenhiser, W., 193
Rodrigues, A., 349

Sandelli, G.J., 143
Scaccia, S., 227
Schmidt, V.M., 299
Serfass, J.A., 193
Shibata, K., 77
Shoesmith, J.P., 129
Simonetti, E., 227
Spiegel, R.J., 143
Steele, B.C.H., 1
Stevenson, D.K., 129
Stimming, U., 257, 299

Trocciola, J.C., 143
Troost, G.K., 185

van der Laag, P.C., 151
Voss, H.H., 117

Watanabe, K., 77
Wilkinson, D.P., 117
Wippermann, K., 257

Youn, J.H., 245

Zegers, P., 169

Subject Index of Volume 49

Air quality
fuel cells and air quality: a California perspective, 209
Ammonia
ammonia as a feedstock for a hydrogen fuel cell; reformer and fuel cell behaviour, 271
Anode gas recycling
three-dimensional and time-dependent simulation of a planar solid oxide fuel cell stack, 333

California
fuel cells and air quality: a California perspective, 209
Cathode materials
development and characterization of novel cathode materials for molten carbonate fuel cell, 227
Ceramics
oxygen transport and exchange in oxide ceramics, 1
Coal-fuelled fuel cells
prospects for advanced coal-fuelled fuel cell power plants, 151
Commercialization
commercial, environmental and legislative factors that influence the implementation of fuel cells, 193

Demonstration plants
PAFC demonstration plants in Europe; first results, 63
Denmark
combining science and practice in the Danish 'DK–SOFC' program, 291

Electrolytes
fuel cell electrolytes: evolution, properties and future prospects, 15
Environment
fuel cell road traction: an option for a clean global society, 169
commercial, environmental and legislative factors that influence the implementation of fuel cells, 193

Field trials
philosophies and experiences of PAFC field trials, 77

Fuel cell electrodes
the kinetics of electrochemical reactions on high temperature fuel cell electrodes, 257
Fuel cells
fuel cell electrolytes: evolution, properties and future prospects, 15
fundamentals of fuel cell system integration, 37
landfill gas pretreatment for fuel cell applications, 143
prospects for advanced coal-fuelled fuel cell power plants, 151
fuel cell road traction: an option for a clean global society, 169
commercial, environmental and legislative factors that influence the implementation of fuel cells, 193
fuel cells and air quality: a California perspective, 209
parametric modelling of the performance of a 5-kW proton-exchange membrane fuel cell stack, 349
Future
competing power-generating technologies for the 21st century, 185

Hydrogen fuel cells
ammonia as a feedstock for a hydrogen fuel cell; reformer and fuel cell behaviour, 271

Landfill gas
landfill gas pretreatment for fuel cell applications, 143
Legislation
commercial, environmental and legislative factors that influence the implementation of fuel cells, 193

Methane-steam reforming
three-dimensional and time-dependent simulation of a planar solid oxide fuel cell stack, 333
Methanol
utilization of methanol for polymer electrolyte fuel cells in mobile systems, 299

Molten carbonate fuel cells
systems' optimization: achieving the balance, 53
development and characterization of novel cathode materials for molten carbonate fuel cell, 227
pack aluminization of nickel anode for molten carbonate fuel cells, 245
a simulation model for integrated molten carbonate fuel cell systems, 283

Nickel anode
pack aluminization of nickel anode for molten carbonate fuel cells, 245

Oxygen
oxygen transport and exchange in oxide ceramics, 1

Pack aluminization
pack aluminization of nickel anode for molten carbonate fuel cells, 245
Parametric model
parametric modelling of the performance of a 5-kW proton-exchange membrane fuel cell stack, 349
Phosphoric acid fuel cells
PAFC demonstration plants in Europe: first results, 63
philosophies and experiences of PAFC field trials, 77
Polymer electrolyte fuel cells
utilization of methanol for polymer electrolyte fuel cells in mobile systems, 299
Power-generating technologies
competing power-generating technologies for the 21st century, 185
Production cost estimation
production cost estimation of solid oxide fuel cells, 315
Proton-exchange membrane fuel cells
parametric modelling of the performance of a 5-kW proton-exchange membrane fuel cell stack, 349

Solid oxide fuel cells
global SOFC activities and evaluation programmes, 103
combining science and practice in the Danish 'DK–SOFC' program, 291
production cost estimation of solid oxide fuel cells, 315
three-dimensional and time-dependent simulation of a planar solid oxide fuel cell stack, 333
Solid polymer fuel cells
water management and stack design for solid polymer fuel cells, 117
status of solid polymer fuel cell system development, 129
Stack design
water management and stack design for solid polymer fuel cells, 117
System development
status of solid polymer fuel cell system development, 129
System integration
fundamentals of fuel cell system integration, 37
Systems optimization
systems' optimization: achieving the balance, 53

Transportation
fuel cell road traction: an option for a clean global society, 169

Vehicle propulsion systems
utilization of methanol for polymer electrolyte fuel cells in mobile systems, 299

Water management
water management and stack design for solid polymer fuel cells, 117